IN THE SPECIFICATION:

Please add the following as the first paragraph on page 1 of the specification:

--This is a divisional of application Serial No. 10/160,418, filed May 31, 2002, which is a continuation of application Serial No. 09/254,536 filed March 9, 1999, now U.S. Patent No. 6,480,630, issued November 12, 2002.--

Please delete the paragraphs starting on Page 54, Line 4 to Page 54, line 23.

Please amend the "Disclosure of the Invention" section on Pages 6–8 as follows:

--The present invention is provided considering the above aspects, and it enables which enable it to perform efficient processing.

A video encoder according to Claim 1 the present invention is characterized by including a processing means for performing one or plural processing necessary to encode a picture considering the other processing.

A method for encoding a picture according to Claim 5 the present invention is characterized by performing one or more processing among the plural processing necessary to encode a picture considering the other processing.

A video decoder according to Claim 6 the present invention is characterized by including a generation means for generating a decoded picture corresponding to the resolution of an output device for outputting the picture by linearly coupling transmit data to prescribed coefficients.

A method for decoding a picture according to Claim 7 the present invention is characterized by generating a decoded picture corresponding to the resolution of an output

device for outputting the picture by linearly coupling the transmit data to the prescribed

coefficients.

A video processor according to ~~Claim 8~~ the present invention is characterized by

including a processing means for performing one or more processing among the plural

processing necessary to encode a picture considering the other processing, and a generation

means for generating a decoded picture corresponding to the resolution of an output device for

outputting the picture by linearly coupling the data obtained as the result of processing by the

processing means to the prescribed coefficients.

A method for processing a picture according to ~~Claim 9~~ the present invention is

characterized by performing one or more processing among the plural processing necessary to

encode a picture considering the other processing, and generating a decoded picture

corresponding to the resolution of an output device for outputting the picture by linearly coupling

thus obtained data to the prescribed coefficients.

In the video encoder according to ~~Claim 1~~ the present invention, the processing means

performs one or more processing among the plural processing necessary to encode the picture

considering the other processing.

In the method of encoding a picture according to ~~Claim 5~~ the present invention, one or

more processing among the plural processing necessary to encode the picture are performed

considering the other processing.

In the video decoder according to ~~Claim 6~~ the present invention, the generation means

generates a decoded picture corresponding to the resolution of an output device for outputting the

picture by linearly coupling transmit data to prescribed coefficients.

In the method for decoding a picture according to ~~Claim 7~~ the present invention, a decoded picture corresponding to the resolution of an output device for outputting the picture is generated by linearly coupling the transmit data to the prescribed coefficients.

In the video processor according to ~~Claim 8~~ the present invention, the processing means performs one or more processing among the plural processing necessary to encode the picture considering the other processing, and the generation means generates a decoded picture corresponding to the resolution of an output device for outputting the picture by linearly coupling the data obtained as the result of processing by the processing means to the prescribed coefficients.

In the method for processing a picture according to ~~Claim 9~~ the present invention, one or more processing among the plural processing necessary to encode the picture is performed considering the other processing, and a decoded picture corresponding to the resolution of an output device for outputting the picture is generated by linearly coupling thus obtained data to the prescribed coefficients.--